

SITE SAFETY PLAN



SEMS DocID 2332210

SITE: Pigeon Point Landfill  
LOCATION: New Castle, DE

DATE: 1/27/81  
PREPARER: Alton Day Stone  
TDD NO.: 03-8101-17

ORIGINAL  
(Red)

INVESTIGATIVE OBJECTIVE(S): Site Inspection/sampling

PROPOSED DATE OF INVESTIGATION

BACKGROUND REVIEW: COMPLETE ☒ PRELIMINARY ☐

DOCUMENTATION/SUMMARY: OVERALL HAZARD SERIOUS ☐ MODERATE ☒ UNKNOWN ☒

SITE/WASTE CHARACTERISTICS

WASTE TYPE(S): LIQUID ☒ SOLID ☒ SLUDGE ☒ GAS ☐

CHARACTERISTIC(S): CORROSIVE ☐ IGNITABLE ☐ RADIOACTIVE ☐ VOLATILE ☐

TOXIC ☐ REACTIVE ☐ UNKNOWN ☒ OTHER ☒

FACILITY DESCRIPTION: SIZE 186 acres/136 in use BUILDINGS six buildings

TOPOGRAPHY Flat, Former Flood Plain of Del. River which was built up with dreg spoils  
now used as a landfill.

PRINCIPAL DISPOSAL METHOD (type & location) Open piles of  
PVC and paint sludges. Compaction and burying of solid wastes.

ADDITIONAL FEATURES (dike integrity, power lines, terrain, etc.)

STATUS (open, closed, unknown) active

HISTORY (worker or non-worker injury; complaints from public; previous agency action):  
Leechale generation and small Aire affecting the area.

HAZARD EVALUATION

The sampling will include 3 monitoring wells, and drainage ditches along the perimeter. The hazard should be low in that personnel will not have to enter the active area of the landfill. There is a history of small Aires in the active section of the landfill. The PVC sludge and pigment sludge piles should not present a hazard in that personnel do not have to sample them nor come within 10 yards of the piles. On 2/4/81 a 4 man team will visit the landfill to bail wells and clear the site for general safety. The mine sweep approach will be used with continuous air monitoring with the OVA. From the landfill entrance a access path to each sampling point and the sampling point itself will be cleared for safety using the OVA, O<sub>2</sub> meter, Explosimeter and HNV. If at any time there is a significant increase in organic vapors or lowering of the O<sub>2</sub> level, the team will retreat, equip themselves at level B and continue the inspection.

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## WORK PLAN INSTRUCTIONS

I. PERIMETER ESTABLISHMENT: MAP/SKETCH ATTACHED ☐ (c) SITE CONTROL ☐  
PUBLIC PERIMETER IDENTIFIED ☒ ZONE(S) OF CONTAMINATION IDENTIFIED ☒

NOTES: Personnel will not enter the active area. Sampling and observation can

be obtained from secure vantage points.

(c) areas of special safety concern identified

II. PERSONAL CLOTHING:

LEVEL OF PROTECTION: A ☐ B ☐ C ☐ D ☒

MODIFICATIONS Level D initially. If necessary upgrade to level B.

SURVEILLANCE EQUIPMENT AND MATERIALS: OVA, hNv, Exposimeter, O<sub>2</sub> meter

III. DECONTAMINATION PROCEDURES:

HOT LINE LOCATION (initial): Landfill front gate

COMMAND POST LOCATION:(initial) Landfill office parking lot

PDS STATIONS: 1. Landfill office - parking lot 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_ 5. \_\_\_\_\_

EQUIPMENT AND MATERIALS/SPECIAL FACILITIES: \_\_\_\_\_

IV. SITE ENTRY PROCEDURES:

TEAM SIZE: E & E 4-6 EPA NEIC personnel or more

STATE \_\_\_\_\_

Mr. Roy Trout

ENTRY BRIEFING (date) 2/3/81

County Engineer

STATION DESIGNATION (name/responsibility):

2. G. Crystall, Site Safety, ASITL

4. Mo Slam

6. Dave Nickerson

1 A. D. Stone SITL

3 Beth Gross

5 Garth Glenn

7. \_\_\_\_\_

WORK SCHEDULE/LIMITATIONS: On 2/4/81 a four man team will clear the site for general safety. Sampling on 2/5/81 will be at level D, modified to level B where necessary i.e. in close proximity to a leechate seep.

NOTES: At least 2 possibly 4 samples will be obtained from leechate and drainage ditches. If there is any elevation of the PPM count in the vicinity of these sample points, they will be sampled at level B.

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## EMERGENCY PRECAUTIONS:

## ACUTE EXPOSURE SYSTEMS

## FIRST AID

1.  
2.  
3.  
4.  
5.  
6.

## HOSPITALS/POISON CONTROL CENTERS (address, telephone no.)

1. Delaware Division Wilmington Medical Center Wilmington (De 302-428-2081)
2. Ray Harbison Poison Control Center, Knoxville TN (615-322-4754)
- 3.
- 4.
- 5.

## EMERGENCY TRANSPORTATION SYSTEMS (fire, police, ambulance)

1. Wilmington Police (302-654-5151)
- 2.
- 3.

## IV. EMERGENCY ROUTES

Hospital is at 501 W. 14th St.

Take Pigeon Point Road North to Rte 9 North to 14th Street

Police, 1000 French St.

## EQUIPMENT CHECKOUT

SCBA ☒CYLINDERS ☒EYE WASH UNIT ☒APR ☐CARTRIDGES ☐FIRST AID KIT ☒EXPLOSIMETER ☒DRINKING WATER SUPPLY ☐O<sub>2</sub> INDICATOR ☒PERSONAL CLOTHING ☐DRAEGER PUMP ☐TUBES ☐DECONTAMINATION MATERIALS ☒RADIATION SURVEY METER ☒RADIATION CONTAMINATION METER ☐OVA X  
HNV X

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